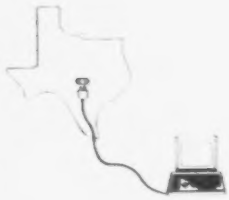
S7.20-3-F



Texas State Data Center
Number 1 Series 1986

THE SLOWDOWN IN TEXAS POPULATION GROWTH:

POST-1980 POPULATION CHANGE IN TEXAS COUNTIES

Developed in cooperation with
The Texas Agricultural Experiment Station
Texas A&M University

February 1986

Published February 1986
TEXAS STATE DATA CENTER
PO Box 13206, Austin, Texas 78711
512/463-1812

About the Texas State Data Center

The Texas State Data Center (formerly the Texas Data Management Program) is a statewide network of information resources. Its primary purpose is to make census materials and data available to various users interested in demographic information and trends. The Texas State Data Center network is coordinated and administered by the Texas Advisory Commission on Intergovernmental Relations. Inquiries or questions regarding the Commission's work are welcome and should be sent to the above address.

The Slowdown in Texas Population Growth: Post-1980 Population Change in Texas Counties

by

Steve H. Murdock
and
Sean-Shong Hwang

Department of Rural Sociology
Texas Agricultural Experiment Station
Texas A&M University System

February 1986

CONTENTS

Introduction 1

Patterns of Change for Counties and by Type of County 3

Comparisons with Past Periods of Change 5

Summary 6

References 8

TABLES

1. Texas Population Growth, 1970-1984 10

2. Annual Net Migration, Net Migration Rates, Natural Increase Rates and Rates of Population Change in Texas, 1970-1984 11

3. Population Change in Texas, 1980-84 12

4. Annual Population Change in Texas, 1980-1984 13

5. Post-1980 Population Change in Metropolitan and Nonmetropolitan Counties in Texas 14

6. Population Change and Net Migration in Texas' Metropolitan Statistical Areas (MSAs), 1980-82, 1982-84, and 1980-84 15

7. Post-1980 Population Change by Counties' Rates of Change, 1970-1980 16

8. Post-1980 Population Change by Counties' Rates of Change for 1970-80 and 1980-84 17

9. Number and Percent of Counties That Have Grown Faster or Slower in 1982-84 Compared to 1980-82 by 1970-80 Rate of Change 18

10. Number of Counties That Have Grown Faster or Slower in 1982-84 Compared to 1980-82 by Rates of Change for 1970-80 and 1980-84 19

Figure 1.
Counties in Texas Having Slower Rates of Growth in 1982-84 Than in 1980-82 20

APPENDIX
Patterns of 1980-84 Population Change in Texas Counties 22

The history of recent population growth in Texas has been one of very rapid growth. From 1970 to 1980, the State's population increased by over 3 million persons, a phenomenal 27.1 percent. Texas' numerical increase was exceeded only by California, and its growth was nearly twice as large as that for the State during the 1960s. Equally important, the source of the State's growth also showed a dramatic change during the 1970s. Whereas natural increase (the excess of births over deaths) has been the major source of Texas growth for several decades, net inmigration became the major source of population change during the 1970s. Thus, during the 1960s, only 214,000 of the State's 1.6 million increase in population was due to net migration with the remaining 1.4 million resulting from natural increase. During the 1970s, over 1.7 million of the State's 3.1 million increase in population was due to net inmigration while 1.4 million was due to natural increase. Whereas migration accounted for roughly 12 percent of the State's growth during the 1960s, it accounted for nearly 55 percent in the 1970s. During the 1970s, Texas became a major destination for inmigrants from across the Nation.

The 1980s has also been a period of rapid growth in the State. As is evident from the data in Table 1, the State's population increased by over 1.7 million persons and grew at an annual rate of 2.9 percent between 1980 and 1984, compared to an annual rate for the Nation of less than 1 percent. This rate of growth was higher than that during the 1970s, and as shown in Tables 2 and 3, over 1 million of that increase (nearly 57 percent) was due to the net inmigration of persons into the State from other states. Overall, then, it is important to note that the period from 1980-84 has been a period of very rapid growth for the State.

During the early 1980s, however, Texas has shown two very different periods of population growth--that from 1980-82 and that from 1982-84. Whereas the period from 1980-82 was a period with a population growth rate that exceeded even that of the 1970s, the period from 1982-84 brought a slowdown in Texas population growth and a very sharp downturn in the rate of net inmigration to the State. Thus, as shown in Tables 2 and 3, from 1980-81 Texas' population increased by 507,000, from 1981-82 it increased by 543,000, from 1982-83 it increased by 445,000, but from 1983-84 it increased by only 265,000. Even more startling, its level of net inmigration went from 283,000 during the period from 1980-81, to 383,000 from 1981-82, to 310,000 from 1982-83, but fell to only 32,000 from 1983-84. These data suggest that 1982-84 has been a period of dramatic change in population growth in Texas and may be reversing the pattern of rapid inmigration to the State that has prevailed for more than a decade.

Although the pattern of reduced growth has been widely reported, less information is available on the pervasiveness of this pattern across the counties of the State and on the areas of the State in which the recent pattern of slowdown in population growth has been most extensive and those areas in which past patterns of rapid population growth have continued. This brief report examines county patterns of population change and the components of that change, natural increase and net migration, for two post-1980 census periods--that from 1980-82 and that from 1982-84. Specifically, we describe the prevalence of different patterns of population growth in different types of counties and identify the relative roles of natural increase and net migration in that growth for the periods of 1980-82 and 1982-84. Throughout the analysis, the data used are the 1981-84 estimates of county populations made by the U.S. Bureau of the

Census. The values shown here are thus consistent with those reported in recent Census Bureau Reports (U.S. Bureau of the Census, 1984; 1985a; 1985b). Because these are estimates rather than actual population counts, readers should be aware that the values shown are subject to various forms of estimation error, and thus generalizations from small changes should be made with caution. In addition, it should be noted that these data are for very short periods of time, and data for subsequent periods may show a reversal of the trends shown here.

Patterns of Change for Counties and by Type of County

In this section, the patterns of population change in 1982-84 are compared to those for 1980-82 for different types of counties. Appendix A shows the patterns of population change and net migration for selected periods for all counties in the State. Figure 1 and Tables 4 through 6 show patterns of population change in Texas counties for the twc time periods.

An examination of Figure 1 reveals that a majority of Texas counties show a decline in population growth in 1982-84 compared to 1980-82. Of the State's 254 counties, 162 show slower rates of population growth in 1982-84 than in 1980-82; only 92 show the opposite pattern. Thus, over 63 percent of the counties in the State show a reduction in population growth from 1982-84 compared to 1980-82.

The pervasiveness of this change and the extent to which it was due to changes in patterns of net migration are evident when Tables 4, 5 and 6 are examined. As shown in Table 4, the aggregate and mean levels of growth in Texas from 1982-84 are only 63 percent of the growth shown from 1980-82. In addition, as shown in Table 5 this pattern is evident for all types of counties. Central city, suburban, nonmetropolitan adjacent (to a

metropolitan county) and nonmetropolitan nonadjacent counties all show substantial declines in 1982-84 rates of growth compared to 1980-82. In like manner, as shown in Table 6, of the State's 26 metropolitan areas, 19 show slower growth in 1982-84 than in 1980-82. Among those metropolitan areas showing the most rapid decline in rates of growth are Bryan-College Station (from 15.36% in 1980-82 to 8.70% from 1982-84), Houston (from 11.87% to 3.12%), Longview (from 8.90% to 1.90%), Midland (from 20.63% to 13.95%), Odessa (from 16.77% to 7.24%), Victoria (from 8.09% to 0.16%), and Wichita Falls (from 4.62% to -0.52%). The most notable exceptions are Amarillo (with an increase from 4.05% in 1980-82 to 5.27% in 1982-84), Austin (with an increase from 8.70 to 10.63%), Killeen-Temple (from 1.09 to 4.03), Texarkana (from 1.71 to 3.41), and Waco (from 2.34 to 4.21).

The data in Tables 5 and 6 also clearly point to the reason for the reduced rates of growth. As shown in these tables, in nearly all cases, the overall decline in the rate of growth has been due to a dramatic decline in net inmigration. Levels of natural increase have remained relatively constant during the two time periods. For metropolitan central city counties, net inmigration decreased by roughly 50 percent; for suburban counties, it decreased by 55 percent; for nonmetropolitan adjacent counties it decreased by 45 percent; and for nonmetropolitan nonadjacent counties, net inmigration decreased by nearly 60 percent. Of the 26 metropolitan areas in the State, 16 show reduced rates of net migration from 1982-84 compared to 1980-82. For many of the metropolitan areas that show a slowdown in growth from 1982-84 compared to 1980-82, net migration rates decreased by over 50 percent. In some cases, the declines in migration rates were particularly notable. For example, Houston's migration rate declined from 8.47 percent for 1980-82 to only 0.13 percent

from 1982-84 and Odessa's from 12.68 to 3.61. It is evident, then, that net migration has declined dramatically from 1982-84 compared to 1980-82.

Comparisons with Past Periods of Change

In this section, we examine patterns of change in Texas counties from 1980-82 to 1982-84 on the basis of counties' past patterns of change. This analysis identifies the extent to which recent patterns of population change may be accentuating past patterns of change in specific types of counties. Counties' rates of change for 1980-84 are examined both in relation to rates of change for the 1970s and for 1970-84.

Table 7 shows annualized rates of 1980-84 population change, net migration and natural increase for counties that had population decline from 1970-80 and for those that had population increases of various sizes from 1970-80. The data in this table clearly show that the general pattern of slower population growth and much reduced migration occurred for all types of counties regardless of their previous patterns of change. They also indicate that, in general, counties that had population declines in the 1970s show a moderate rate of increase from 1980-82 but experienced net outmigration again from 1982-84.

Table 8 presents data for counties in which patterns of 1970-80 change are coupled with 1980-84 patterns to identify four types of counties--those that show continuous decline from 1970-84, those that show a turnaround in growth in 1980-84 compared to the 1970s, those that show rapid growth in the 1970s but have experienced slower growth in the 1980s, and those that show rapid growth in the 1970s followed by even more rapid growth in the 1980s. The data in this table again reveal, however, that no matter what the counties' past patterns of population change, the 1982-84 period was a period of much reduced growth as a result of a much reduced rate of net

inmigration.

Finally, Tables 9 and 10 present data summarizing the number of counties that grew more rapidly in 1982-84 than in 1980-82 for each of the county types shown in Tables 7 and 8. Again, the results indicate that a majority of counties of all types, even in that group of counties that have shown an ever-increasing rate of growth from the 1970s to the 1980s, show lower rates of growth and much reduced migration during the period from 1982-84 compared to 1980-82. In most cases, the rate of decline places 1982-84 rates of growth below those for the 1970-80 period. In sum, then, these data make it evident that Texas' recent slowdown in population growth is both real and pervasive.

Summary

This brief report examines post-1980 patterns of population change in Texas counties. The results of the analysis clearly indicate that the 1980-84 period has resulted in dramatic growth for the State as a whole with 1.7 million persons being added to the population from 1980-84 and with net inmigration exceeding 1 million persons. At the same time, however, it is evident that the period of 1982-84 was substantially different than that from 1980-82. In general, whereas the period of 1980-82 showed rates of population growth that exceeded those for the 1970s, the rates of growth for the 1982-84 period were substantially less (roughly 50 percent less) than in 1980-82 and generally below those for the 1970s. In addition, it is clear that the decline in growth has been due to a substantial decline in net inmigration from other states. Finally, it is evident that both the pattern of general growth from 1980-84 and the substantial decline from 1982-84 compared to 1980-82 is evident in all types of counties (metropolitan and nonmetropolitan), in nearly all of

the Metropolitan Statistical Areas in the State and is true for counties that have had very different historical patterns of change. In sum, then, it is apparent that the slowdown in Texas' population growth is real and substantial.

It should be noted, of course, that the data reported here are for a relatively short period of time and that subsequent time periods may reveal quite different patterns. At the same time, however, the obvious slowdown in the State's economy and its increasing rate of unemployment, suggest that a slowdown in population growth should be expected. Although it is too early to suggest that recent trends forebode a new era of population change in Texas, recent patterns do suggest that Texas is undergoing a period of adjustment in its population patterns. Whether this adjustment is a long-term or a short-term trend should become apparent in the months to come.

References

U.S. Bureau of the Census
1984 **1982 Population Estimates and 1981 Per Capita Income Estimates for Counties and Incorporated Places.** Current Population Report P-26, No. 82-43-SC Washington D.C.: U.S. Government Printing Office.

U.S. Bureau of the Census
1985a **Provisional Estimates of the Population of Counties: July 1, 1984.** Current Population Report P-26, No. 84-52C Washington, D. C.: U.S. Government Printing Office.

U.S. Bureau of the Census
1985b **Estimates of the Population of Texas Counties and Metropolitan Areas: July 1, 1981, 1982, and 1983** Washington, D. C.: U.S. Government Printing Office.

TABLES

Table 1

Texas Population Growth, 1970–1984

Year	Population	Numerical Change From Previous Year	% Annual Change From Previous Year
1970	11,196,730	1,617,053	1.7*
1980	14,229,191	3,032,461	2.7
1984	15,988,504	1,759,313	2.9

* Annualized for 1960–70

Table 2

Annual Net Migration, Net Migration Rates, Natural Increase Rates and Rates of Population Change in Texas, 1970–1984

	Annual			
Year	Net Migration	Net Migration Rate (%)	Natural Increase Rate (%)	Percent Population Change
1970-80	177,000*	1.4*	1.3*	2.7*
1980-81	283,000	2.0	1.6	3.6
1981-82	383,000	2.6	1.1	3.7
1982-83	310,000	2.0	0.9	2.6
1983-84	32,000	0.2	1.5	1.7

* Annualized for 1970-80

Table 3

Population Change in Texas, 1980–84

	State Total				
Year	Population	Period	Mean % Change	Standard Deviation	Aggregate % Change
1980	14,229,191	1980–82	5.02	5.49	7.39
1982	15,279,330	1982–84	3.17	4.89	4.64
1984	15,988,504	1980–84	8.44	8.86	12.38

Table 4

Annual Population Change in Texas, 1980-1984

Year	Population	Numerical Change From Preceding Year	Percent Population Change From Preceding Year
1980	14,229,000	303,000*	2.7%*
1981	14,736,000	507,000	3.6
1982	15,279,000	543,000	3.7
1983	15,724,000	445,000	2.9
1984	15,989,000	265,000	1.7

* Annualized for 1970-80

Table 5

Post-1980 Population Change in Metropolitan and Nonmetropolitan Counties in Texas

Period	Annual Mean % Change: Mean	Annual Mean % Change: Standard Deviation	Aggregate Change: Numerical	Aggregate Change: Annualized Percentage	Aggregate Change: Net Migration	Aggregate Change: Natural Increase
Metropolitan Central City Counties (N=27)						
1980-82	3.57	2.34	727,338	3.74	432,001	295,337
1982-84	2.54	1.70	508,227	2.43	219,918	288,409
1980-84	3.17	1.96	1,235,565	3.17	651,819	583,746
Metropolitan Suburban Counties (N=27)						
1980-82	4.58	2.83	185,597	5.60	144,165	41,432
1982-84	3.48	2.67	109,017	2.96	67,240	41,777
1980-84	4.20	2.30	294,614	4.45	211,405	83,209
Nonmetropolitan Adjacent Counties (N=124)						
1980-82	2.46	2.39	101,212	2.54	70,808	30,404
1982-84	1.48	2.27	69,527	1.66	39,627	29,900
1980-84	2.03	2.04	170,739	2.14	110,435	60,304
Nonmetropolitan Nonadjacent Counties (N=76)						
1980-82	1.48	2.88	37,416	2.20	24,397	13,019
1982-84	0.74	2.43	22,402	1.26	10,810	11,592
1980-84	1.12	1.89	59,818	1.76	35,207	24,611

Table 6

Population Change and Net Migration in Texas' Metropolitan Statistical Areas (MSAs), 1980-82, 1982-84, and 1980-84

	Population Change (%)			Net Migration (%)		
MSA	1980-82	1982-84	1980-84	1980-82	1982-84	1980-84
Abiline	6.18	4.43	10.89	4.04	1.90	5.70
Amarillo	4.05	5.27	9.53	1.52	3.01	4.48
Austin	8.70	10.63	20.26	6.07	7.96	13.54
Beaumont-Port Arthur-Orange	4.20	0.16	4.36	2.03	-1.61	0.33
Brownsville-Harlingen San Benito	7.65	6.69	14.95	3.14	3.33	6.25
Bryan-College Station	15.36	8.70	25.40	12.53	5.89	16.76
Corpus Christi	6.29	4.20	10.75	3.08	1.28	4.18
Dallas-Fort Worth	7.23	6.68	14.39	4.66	4.28	8.63
El Paso	5.25	4.26	9.70	1.43	0.90	2.25
Galveston-Texas City	6.02	3.78	10.03	3.66	1.58	5.03
Houston	11.87	3.12	15.36	8.47	0.13	7.70
Killeen-Temple	1.09	4.03	5.17	-3.34	0.22	-3.08
Laredo	9.24	8.98	19.05	4.46	5.24	9.32
Longview-Marshall	8.90	1.90	10.97	7.07	0.23	6.73
Lubbock	1.51	2.38	3.41	-1.26	-0.88	-2.12
McAllen-Pharr-Edinburg	9.43	8.74	18.99	4.63	5.00	9.23
Midland	20.63	13.95	37.45	16.88	10.03	24.03
Odessa	16.77	7.24	25.22	12.68	3.61	14.48
San Angelo	7.16	5.66	13.23	4.87	3.13	7.68
San Antonio	5.82	4.76	10.86	3.16	2.25	5.23
Sherman-Denison	2.68	2.70	5.46	1.73	1.85	3.53
Texarkana	1.71	3.41	5.18	0.23	2.12	2.35
Tyler	6.37	5.91	12.66	4.51	4.16	8.40
Victoria	8.09	0.16	8.27	4.86	-2.78	1.72
Waco	2.34	4.21	6.44	0.86	2.66	3.50
Wichita Falls	4.62	-0.52	4.08	2.48	-2.20	0.18

Table 7

Post-1980 Population Change by Counties' Rates of Change, 1970-80

Period	Annual Mean % Change: Mean	Annual Mean % Change: Standard Deviation	Aggregate Change: Numerical	Aggregate Change: Annualized Percentage	Aggregate Change: Net Migration	Aggregate Change: Natural Increase
1970's Rate of Change ≤0 (N=44)						
1980-82	0.33	3.19	7,862	1.31	3,063	4,799
1982-84	0.13	2.74	982	0.16	-4,153	5,135
1980-84	0.23	2.06	8,844	0.74	-1,090	9,934
1970's Rate of Change >0 but Smaller than State's Rate of Change (N=132)						
1980-82	2.28	2.13	397,263	2.72	222,974	174,289
1982-84	1.09	1.92	339,715	2.20	167,928	171,787
1980-84	1.72	1.70	736,978	2.52	390,902	346,976
1970's Rate of Change ≥ State's Rate of Change but Less than Twice the State's Rate of Change (N=59)						
1980-82	3.52	1.95	459,501	4.42	303,875	155,626
1982-84	3.02	1.86	261,368	2.31	111,597	149,771
1980-84	3.38	1.56	720,869	3.46	415,472	305,397
1970's Rate of Change ≥ Twice the State's Rate of Change (N=19)						
1980-82	6.04	2.74	186,937	6.63	141,159	45,478
1982-84	3.91	2.97	107,108	3.35	62,223	44,885
1980-84	5.21	2.14	294,045	5.21	203,682	90,363

Table 8

Post-1980 Population Change by Counties' Rates of Change for 1970-80 and 1980-84

Period	Annual Mean % Change: Mean	Annual Mean % Change: Standard Deviation	Aggregate Change: Numerical	Aggregate Change: Annualized Percentage	Aggregate Change: Net Migration	Aggregate Change: Natural Increase
Annualized Rate of Change 1970-80 ≤0 and 1980-84 ≤ 1970-80 (N=12)						
1980-82	-1.34	0.92	-1,984	-1.63	-2,654	670
1982-84	-2.81	1.10	-2,678	-2.27	-3,261	583
1980-84	-2.04	0.54	-4,662	-1.91	-5,915	1,253
Annualized Rate of Change 1970-80 ≤0 and 1980-84 > 1970-80 (N=32)						
1980-82	0.96	3.51	9,846	2.06	5,717	4,129
1982-84	1.24	2.32	3,660	0.74	-892	4,552
1980-84	1.08	1.75	13,506	1.42	4,825	8,681
Annualized Rate of Change 1970-80 >0 and 1980-84 ≤ 1970-80 (N=105)						
1980-82	2.60	2.54	576,771	4.28	375,425	201,346
1982-84	1.39	2.47	276,848	1.89	86,150	190,698
1980-84	2.06	2.23	853,619	3.17	461,575	392,044
Annualized Rate of Change 1970-80 >0 and 1980-84 > 1970-80 (N=105)						
1980-82	3.34	2.22	466,930	3.25	292,883	174,047
1982-84	2.38	1.94	431,343	2.82	255,598	175,745
1980-84	2.95	1.73	898,273	3.12	548,481	349,792

Table 9

Number and Percent of Counties That Have Grown Faster or Slower in 1982-84 Compared to 1980-82 by 1970-80 Rate of Change

1970 Rate of Change	1982-84 > 1980-82	1982-84 ≤ 1980-82
Declining Counties[1]	17 (38.6%)	27 (61.4%)
Slow Growth Counties[2]	45 (34.1%)	87 (65.9%)
Moderate Growth Counties[3]	25 (42.4%)	34 (57.6%)
Rapid Growth Counties[4]	5 (26.3%)	14 (73.7%)
Total	92	162

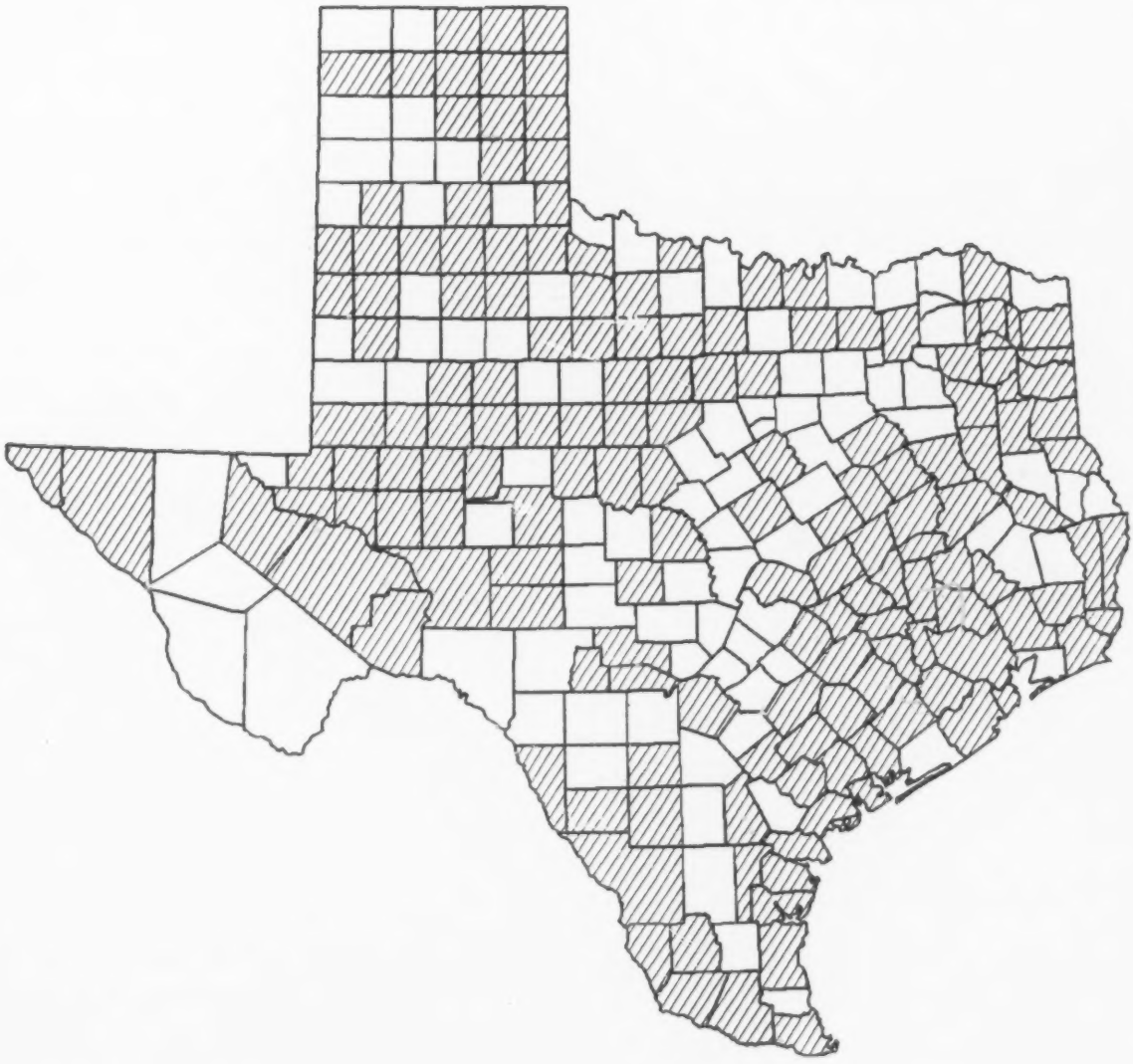
[1] 1970-80 rate ≤0
[2] 1970-80 rate >0, but less than the State rate
[3] 1970-80 rate ≥ the State rate, but less than twice the State rate
[4] 1970-80 rate ≥ twice the State rate

Table 10

Number of Counties That Have Grown Faster or Slower in 1982-84 Compared to 1980-82 by Rates of Change for 1970-80 and 1980-84

1970-80 and 1980-84 Rates of Change	1982-84 > 1980-82	1982-84 ≤ 1980-82
Continuous Decline Counties[1]	3 (25.0%)	9 (75.0%)
Turnaround Counties[2]	14 (43.8%)	18 (56.2%)
Reduced Growth Counties[3]	33 (31.4%)	72 (68.6%)
Continuous Growth Counties[4]	42 (40.0%)	63 (60.0%)
Total	92	162

[1] 1970-80 rate ≤0, and 1980-84 rate ≤ the 1970-80 rate
[2] 1970-80 rate ≤0, and 1980-84 rate > the 1970-80 rate
[3] 1970-80 rate >0, and 1980-84 rate ≤ the 1970-80 rate
[4] 1970-80 rate >0, and 1980-84 rate > the 1970-80 rate



Growth Rate: 82-84 Faster 82-84 Slower

Figure 1

Counties in Texas Having Slower Rates of Growth in 1982-84 Than in 1980-82

A P P E N D I X

PATTERNS OF 1980–84

POPULATION CHANGE

IN TEXAS COUNTIES

APPENDIX
PATTERNS OF 1980-84 POPULATION CHANGE IN TEXAS COUNTIES

COUNTY	POPULATION 1980	POPULATION 1982	POPULATION 1984	ANNUAL % CHANGE 80-82	ANNUAL % CHANGE 82-84	ANNUAL % CHANGE 80-84	NET MIGRATION 80-82	NET MIGRATION 82-84	NET MIGRATION 80-84
ANDERSON	38381	42698	45807	5.6	3.6	4.8	3911	2726	6637
ANDREWS	13323	14980	15956	6.2	3.3	4.9	1160	442	1602
ANGELINA	64172	67537	68337	2.6	0.6	1.6	1842	-274	1568
ARANSAS	14260	15711	17097	5.1	4.4	5.0	1238	1094	2332
ARCHER	7266	7621	8000	2.4	2.5	2.5	288	241	529
ARMSTRONG	1994	1923	1951	-1.8	0.7	-0.5	-94	15	-79
ATASCOSA	25055	26086	27989	2.1	3.6	2.9	484	1322	1806
AUSTIN	17726	19224	20472	4.2	3.2	3.9	1368	1040	2408
BAILEY	8168	8305	8219	0.8	-0.5	0.2	-97	-263	-360
BANDERA	7084	7731	8408	4.6	4.4	4.7	695	661	1356
BASTROP	24726	28037	31119	6.7	5.5	6.5	2998	2566	5564
BAYLOR	4919	5084	5087	1.7	0.0	0.9	156	-7	149
BEE	26030	26863	28712	1.6	3.4	2.6	5	1106	1111
BELL	157820	158582	167167	0.2	2.7	1.5	-7225	1603	-5622
BEXAR	988971	1045530	1092142	2.9	2.2	2.6	29495	19341	48836
BLANCO	4681	4870	5345	2.0	4.9	3.5	214	435	649
BORDEN	859	1015	976	9.1	-1.9	3.4	156	-42	114
BOSQUE	13401	13808	14120	1.5	1.1	1.3	504	400	904
BOWIE	75301	76588	79199	0.9	1.7	1.3	176	1620	1796
BRAZORIA	169587	180254	186113	3.1	1.6	2.4	5377	932	6309
BRAZOS	93588	107963	117355	7.7	4.3	6.3	11731	6361	18092
BREWSTER	7573	7493	8096	-0.5	4.0	1.7	-247	473	226
BRISCOE	2579	2520	2331	-1.1	-3.8	-2.4	-65	-208	-273
BROOKS	8428	8682	9110	1.5	2.5	2.0	-10	150	140
BROWN	33057	34525	35686	2.2	1.7	2.0	1212	845	2057
BURLESON	12313	14451	15137	8.7	2.4	5.7	1977	554	2531
BURNET	17803	19393	21636	4.5	5.8	5.4	1600	2100	3700
CALDWELL	23637	24821	26437	2.5	3.3	3.0	898	1227	2125
CALHOUN	19574	21181	22319	4.1	2.7	3.5	970	621	1591
CALLAHAN	10992	11930	12610	4.3	2.8	3.7	898	537	1435
CAMERON	209727	225761	241090	3.8	3.4	3.7	6591	7528	14119
CAMP	9275	9795	10229	2.8	2.2	2.6	410	396	806
CARSON	6672	7215	7086	4.1	-0.9	1.6	415	-246	169
CASS	29430	30473	30676	1.8	0.3	1.1	711	-2	709
CASTRO	10556	10458	10257	-0.5	-1.0	-0.7	-431	-497	-928
CHAMBERS	18538	18279	19823	-0.7	4.2	1.7	-684	1091	407
CHEROKEE	38127	39020	39452	1.2	0.6	0.9	683	157	840
CHILDRESS	6950	7013	6554	0.5	-3.3	-1.4	15	-457	-442
CLAY	9582	9616	9822	0.2	1.1	0.6	0	198	198
COCHRAN	4825	4840	4753	0.2	-0.9	-0.4	-133	-147	-280
COKE	3196	3310	3608	1.8	4.5	3.2	126	296	422
COLEMAN	10439	10541	10468	0.5	-0.3	0.1	199	-15	184
COLLIN	144576	164871	178636	7.0	4.2	5.9	16197	9669	25866
COLLINGSWORTH	4648	4470	4190	-1.9	-3.1	-2.5	-210	-272	-482
COLORADO	18823	19755	20015	2.5	0.7	1.6	711	70	781
COMAL	36446	39506	43159	4.2	4.6	4.6	2530	3167	5697
COMANCHE	12617	12733	13103	0.5	1.5	1.0	180	418	598
CONCHO	2915	2852	2966	-1.1	2.0	0.4	-66	140	74
COOKE	27656	28540	28818	1.6	0.5	1.1	523	-77	446
CORYELL	56767	58352	58512	1.4	0.1	0.8	65	-1122	-1057
COTTLE	2947	2857	2697	-1.5	-2.8	-2.1	-84	-169	-253
CRANE	4600	5059	5202	5.0	1.4	3.3	289	-43	246
CROCKETT	4608	5132	4954	5.7	-1.7	1.9	524	-293	231

APPENDIX

PATTERNS OF 1980-84 POPULATION CHANGE IN TEXAS COUNTIES

COUNTY	POPULATION 1980	POPULATION 1982	POPULATION 1984	ANNUAL % CHANGE 80-82	ANNUAL % CHANGE 82-84	ANNUAL % CHANGE 80-84	NET MIGRATION 80-82	NET MIGRATION 82-84	NET MIGRATION 80-84
CROSBY	8859	8690	8523	-1.0	-1.0	-0.9	-280	-298	-578
CULBERSON	3315	3237	3476	-1.2	3.7	1.2	-232	90	-142
DALLAM	6531	6518	6746	-0.1	1.7	0.8	-148	135	-13
DALLAS	1556390	1637571	1723385	2.6	2.6	2.7	39228	44883	84111
DAWSON	16184	16420	16888	0.7	1.4	1.1	-231	35	-196
DEAF SMITH	21165	20219	20401	-2.2	0.5	-0.9	-1778	-467	-2245
DELTA	4839	4809	4925	-0.3	1.2	0.4	6	135	141
DENTON	143126	165660	177642	7.9	3.6	6.0	17872	7266	25138
DE WITT	18903	19670	20310	2.0	1.6	1.9	746	504	1250
DICKENS	3539	3436	3182	-1.5	-3.7	-2.5	-86	-269	-355
DIMMITT	11367	11966	11928	2.6	-0.2	1.2	186	-412	-226
DONLEY	4075	4183	4184	1.3	0.0	0.7	121	10	131
DUVAL	12517	12860	13346	1.4	1.9	1.7	39	98	137
EASTLAND	19480	20370	21075	2.3	1.7	2.0	983	673	1656
ECTOR	115374	134718	144477	8.4	3.6	6.3	14635	4869	19504
EDWARDS	2033	2053	2143	0.5	2.2	1.4	-22	46	24
ELLIS	59743	63117	67317	2.8	3.3	3.2	2333	3157	5490
EL PASO	479899	505072	526465	2.6	2.1	2.4	6847	4539	11386
ERATH	22560	23475	24441	2.0	2.1	2.1	752	904	1656
FALLS	17946	18126	18213	0.5	0.2	0.4	239	58	297
FANNIN	24285	24218	24612	-0.1	0.8	0.3	88	535	623
FAYETTE	18832	20525	20099	4.5	-1.0	1.7	1683	-396	1287
FISHER	5891	5794	5774	-0.8	-0.2	-0.5	-123	8	-115
FLOYD	9834	9537	9013	-1.5	-2.7	-2.1	-499	-693	-1192
FOARD	2158	2077	1913	-1.9	-3.9	-2.8	-50	-182	-232
FORT BEND	130962	159648	179334	11.0	6.2	9.2	23125	13471	36596
FRANKLIN	6893	7201	7313	2.2	0.8	1.5	311	78	389
FREESTONE	14830	15971	16745	3.8	2.4	3.2	1079	773	1852
FRIO	13785	14188	14476	1.5	1.0	1.3	-2	-90	-92
GAINES	13150	13629	14300	1.8	2.5	2.2	-13	205	192
GALVESTON	195738	207516	215366	3.0	1.9	2.5	7164	3282	10446
GARZA	5336	5444	5645	1.0	1.8	1.4	-31	83	52
GILLESPIE	13532	14105	15207	2.1	3.9	3.1	589	1042	1631
GLASSCOCK	1304	1322	1263	0.7	-2.2	-0.8	18	-117	-99
GOLIAD	5193	5585	5759	3.8	1.6	2.7	357	118	475
GONZALES	16949	18208	18659	3.7	1.2	2.5	957	201	1158
GRAY	26386	28210	27285	3.5	-1.6	0.9	1289	-1457	-168
GRAYSON	89796	92205	94699	1.3	1.4	1.4	1552	1705	3257
GREGG	99495	109599	111164	5.1	0.7	2.9	8135	-614	7521
GRIMES	13580	15587	17095	7.4	4.8	6.5	1770	1279	3049
GUADALUPE	46708	49484	53243	3.0	3.8	3.5	1840	2966	4806
HALE	37592	37585	37320	-0.0	-0.4	-0.2	-1343	-1006	-2349
HALL	5594	5315	5092	-2.5	-2.1	-2.2	-261	-210	-471
HAMILTON	8297	8197	8171	-0.6	-0.2	-0.4	-14	25	11
HANSFORD	6209	6425	6516	1.7	0.7	1.2	36	-159	-123
HARDEMAN	6368	6456	6548	0.7	0.7	0.7	120	16	136
HARDIN	40721	42677	43414	2.4	0.9	1.7	1067	-29	1038
HARRIS	2409547	2674074	2747341	5.5	1.4	3.5	181239	-7543	173696
HARRISON	52265	55662	57243	3.2	1.4	2.4	2597	1000	3597
HARTLEY	3987	3884	3706	-1.3	-2.3	-1.8	-145	-224	-369
HASKELL	7725	7646	7563	-0.5	-0.5	-0.5	-60	-76	-136
HAYS	40594	43923	49540	4.1	6.4	5.5	2411	4645	7056
HEMPHILL	5304	6037	6198	6.9	1.3	4.2	495	-42	453

APPENDIX
PATTERNS OF 1980-84 POPULATION CHANGE IN TEXAS COUNTIES

COUNTY	POPULATION 1980	POPULATION 1982	POPULATION 1984	ANNUAL % CHANGE 80-82	ANNUAL % CHANGE 82-84	ANNUAL % CHANGE 80-84	NET MIGRATION 80-82	NET MIGRATION 82-84	NET MIGRATION 80-84
HENDERSON	42606	46235	50205	4.3	4.3	4.5	3404	3732	7136
HIDALGO	283323	310032	337118	4.7	4.4	4.7	13121	15510	28631
HILL	25024	25688	26884	1.3	2.3	1.9	727	1295	2022
HOCKLEY	23230	24503	24501	2.7	-0.0	1.4	455	-817	-362
HOOD	17714	19823	24201	6.0	11.0	9.2	1910	4113	6023
HOPKINS	25247	26414	27753	2.3	2.5	2.5	986	1170	2156
HOUSTON	22299	23241	23404	2.1	0.4	1.2	837	129	966
HOWARD	33142	35844	37283	4.1	2.0	3.1	2157	696	2853
HUDSPETH	2728	2778	2649	0.9	-2.3	-0.7	-32	-189	-221
HUNT	55248	59218	63284	3.6	3.4	3.6	3369	3550	6919
HUTCHINSON	26304	29094	29497	5.3	0.7	3.0	2192	-321	1871
IRION	1386	1484	1719	3.5	7.9	6.0	70	195	265
JACK	7408	7928	7597	3.5	-2.1	0.6	450	-310	140
JACKSON	13352	13716	13833	1.4	0.4	0.9	87	-133	-46
JASPER	30781	31537	32140	1.2	1.0	1.1	215	234	449
JEFF DAVIS	1647	1610	1749	-1.1	4.3	1.5	-75	128	53
JEFFERSON	250938	260223	258532	1.9	-0.3	0.8	4111	-6154	-2043
JIM HOGG	5168	5473	5407	3.0	-0.6	1.2	305	-192	113
JIM WELLS	36498	38819	39872	3.2	1.4	2.3	1272	-40	1232
JOHNSON	67649	73594	81848	4.4	5.6	5.2	4839	6949	11788
JONES	17268	17827	18630	1.6	2.3	2.0	511	623	1134
KARNES	13593	13849	13520	0.9	-1.2	-0.1	-26	-488	-514
KAUFMAN	39038	42347	47409	4.2	6.0	5.4	2867	4626	7493
KENDALL	10635	11595	13161	4.5	6.8	5.9	901	1447	2348
KENEDY	543	549	498	0.6	-4.6	-2.1	6	-45	-39
KENT	1145	1125	1110	-0.9	-0.7	-0.8	-4	-25	-29
KERR	28780	30867	32673	3.6	2.9	3.4	2121	1683	3804
KIMBLE	4063	4007	4252	-0.7	3.1	1.2	-50	222	172
KING	425	395	430	-3.5	4.4	0.3	-30	27	-3
KINNEY	2279	2302	2383	0.5	1.8	1.1	3	51	54
KLEBERG	33358	34476	34661	1.7	0.3	1.0	-37	-1029	-1066
KNOX	5329	5485	5535	1.5	0.5	1.0	157	14	171
LAMAR	42156	42523	44402	0.4	2.2	1.3	55	1669	1724
LAMB	18669	18577	17400	-0.2	-3.2	-1.7	-591	-1473	-2064
LAMPASAS	12005	12141	13408	0.6	5.2	2.9	-22	1247	1225
LA SALLE	5514	5755	5874	2.2	1.0	1.6	84	-40	44
LAVACA	19004	19751	18399	2.0	-3.4	-0.8	801	-1387	-586
LEE	10952	12955	13570	9.1	2.4	6.0	1842	413	2255
LEON	9594	10608	11293	5.3	3.2	4.4	1030	629	1659
LIBERTY	47088	51898	54120	5.1	2.1	3.7	3880	1223	5103
LIMESTONE	20224	20908	21411	1.7	1.2	1.5	777	392	1169
LIPSCOMB	3766	4216	4204	6.0	-0.1	2.9	357	-134	223
LIVE OAK	9606	9920	9822	1.6	-0.5	0.6	86	-218	-132
LLANO	10144	10626	11693	2.4	5.0	3.8	657	1231	1888
LOVING	91	70	79	-11.5	6.4	-3.3	-21	41	20
LUBBOCK	211651	214840	218861	0.8	0.9	0.9	-2666	-1898	-4564
LYNN	8605	8250	7992	-2.1	-1.6	-1.8	-538	-369	-907
MC CULLOCH	8735	8728	8830	-0.0	0.6	0.3	-24	138	114
MC LENNAN	170755	174756	182115	1.2	2.1	1.7	1472	4651	6123
MC MULLEN	789	795	907	0.4	7.0	3.7	6	113	119
MADISON	10649	11419	11922	3.6	2.2	3.0	727	490	1217
MARION	10360	10796	10662	2.1	-0.6	0.7	457	-211	246
MARTIN	4684	5117	5299	4.6	1.8	3.3	336	-1	335

APPENDIX

PATTERNS OF 1980-84 POPULATION CHANGE IN TEXAS COUNTIES

COUNTY	POPULATION 1980	POPULATION 1982	POPULATION 1984	ANNUAL % CHANGE 80-82	ANNUAL % CHANGE 82-84	ANNUAL % CHANGE 80-84	NET MIGRATION 80-82	NET MIGRATION 82-84	NET MIGRATION 80-84
MASON	3683	3645	3560	-0.5	-1.2	-0.8	-3	-70	-73
MATAGORDA	37828	36896	37669	-1.2	1.0	-0.1	-1945	-150	-2095
MAVERICK	31398	34270	35419	4.6	1.7	3.2	1363	-71	1292
MEDINA	23164	23773	24679	1.3	1.9	1.6	207	480	687
MENARD	2346	2299	2398	-1.0	2.2	0.6	-38	76	38
MIDLAND	82636	99684	113585	10.3	7.0	9.4	13950	10003	23953
MILAM	22732	23075	23397	0.8	0.7	0.7	108	174	282
MILLS	4477	4460	4571	-0.2	1.2	0.5	67	174	241
MITCHELL	9088	9295	9250	1.1	-0.2	0.4	58	-60	-2
MONTAGUE	17410	18219	18495	2.3	0.8	1.6	857	251	1108
MONTGOMERY	127222	161331	160008	13.4	-0.4	6.4	30819	-5258	25561
MOORE	16575	17248	17502	2.0	0.7	1.4	67	-363	-296
MORRIS	14629	15500	15349	3.0	-0.5	1.2	602	-284	318
MOTLEY	1950	1961	1851	0.3	-2.8	-1.3	15	-94	-79
NACOGDOCHES	46786	48472	50634	1.8	2.2	2.1	965	1593	2558
NAVARRO	35323	37036	38543	2.4	2.0	2.3	1440	1271	2711
NEWTON	13254	13706	13406	1.7	-1.1	0.3	226	-448	-222
NOLAN	17359	17913	17884	1.6	-0.1	0.8	212	-233	-21
NUECES	268215	284717	298359	3.1	2.4	2.8	7842	5321	13163
OCHILTREE	9588	10952	11108	7.1	0.7	4.0	905	-219	686
OLDHAM	2283	2279	2410	-0.1	2.9	1.4	-54	98	44
ORANGE	83838	88370	89931	2.7	0.9	1.8	2439	-129	2310
PALO PINTO	24062	25373	26232	2.7	1.7	2.3	1075	636	1711
PANOLA	20724	22539	22672	4.4	0.3	2.3	1632	-99	1533
PARKER	44609	48288	52246	4.1	4.1	4.3	3148	3540	6688
PARMER	11038	10932	10832	-0.5	-0.5	-0.5	-468	-327	-795
PECOS	14618	16268	17054	5.6	2.4	4.2	933	275	1208
POLK	24407	26206	29437	3.7	6.2	5.2	1615	3096	4711
POTTER	98637	101670	106672	1.5	2.5	2.0	587	2592	3179
PRESIDIO	5188	5214	5369	0.3	1.5	0.9	-51	75	24
RAINS	4839	5257	5753	4.3	4.7	4.7	394	521	915
RANDALL	75062	79058	83579	2.7	2.9	2.8	2050	2864	4914
REAGAN	4135	4715	4882	7.0	1.8	4.5	371	-65	306
REAL	2469	2708	2723	4.8	0.3	2.6	225	19	244
RED RIVER	16101	16037	15783	-0.2	-0.8	-0.5	-20	-226	-246
REEVES	15801	16300	15905	1.6	-1.2	0.2	-81	-1052	-1133
REFUGIO	9289	9302	9243	0.1	-0.3	-0.1	-79	-215	-294
ROBERTS	1187	1242	1088	2.3	-6.2	-2.1	29	-164	-135
ROBERTSON	14653	15313	15949	2.3	2.1	2.2	524	484	1008
ROCKWALL	14528	16418	19056	6.5	8.0	7.8	1662	2353	4015
RUNNELS	11872	12279	12382	1.7	0.4	1.1	374	-18	356
RUSK	41382	42746	43992	1.6	1.5	1.6	1066	757	1823
SABINE	8702	9113	9725	2.4	3.4	2.9	419	600	1019
SAN AUGUSTINE	8785	8776	8869	-0.1	0.5	0.2	-51	117	66
SAN JACINTO	11434	12461	13551	4.5	4.4	4.6	944	944	1888
SAN PATRICIO	58013	62039	62953	3.5	0.7	2.1	2211	-874	1337
SAN SABA	5841	6100	5972	2.2	-1.0	0.6	258	-106	152
SCHLEICHER	2820	3138	3218	5.6	1.3	3.5	236	-3	233
SCURRY	18192	19634	20113	4.0	1.2	2.6	968	10	978
SHACKELFORD	3915	4220	4064	3.9	-1.8	1.0	228	-192	36
SHELBY	23084	23494	23859	0.9	0.8	0.8	387	340	727
SHERMAN	3174	3099	3225	-1.2	2.0	0.4	-129	78	-51
SMITH	128366	136547	144611	3.2	3.0	3.2	5784	5684	11468

APPENDIX
PATTERNS OF 1980-84 POPULATION CHANGE IN TEXAS COUNTIES

COUNTY	POPULATION 1980	POPULATION 1982	POPULATION 1984	ANNUAL % CHANGE 80-82	ANNUAL % CHANGE 82-84	ANNUAL % CHANGE 80-84	NET MIGRATION 80-82	NET MIGRATION 82-84	NET MIGRATION 80-84
SOMERVELL	4154	4274	4454	1.4	2.1	1.8	60	103	163
STARR	27266	30103	32496	5.2	4.0	4.8	1540	1299	2839
STEPHENS	9926	10821	10652	4.5	-0.8	1.8	752	-288	464
STERLING	1206	1406	1556	8.3	5.3	7.3	170	110	280
STONEWALL	2406	2442	2456	0.7	0.3	0.5	27	-13	14
SUTTON	5130	5739	5789	5.9	0.4	3.2	416	-109	307
SWISHER	9723	9333	9035	-2.0	-1.6	-1.8	-602	-452	-1054
TARRANT	860880	929690	1010272	4.0	4.3	4.3	47233	57877	105110
TAYLOR	110932	118041	123107	3.2	2.1	2.7	4213	1648	5861
TERRELL	1595	1608	1494	0.4	-3.5	-1.6	13	-144	-131
TERRY	14581	15171	15300	2.0	0.4	1.2	122	-267	-145
THROCKMORTON	2053	2237	2320	4.5	1.9	3.3	185	79	264
TITUS	21442	22600	23007	2.7	0.9	1.8	828	101	929
TOM GREEN	84784	90854	95998	3.6	2.8	3.3	4129	2848	6977
TRAVIS	419573	452691	499127	3.9	5.1	4.7	21637	33846	55483
TRINITY	9450	10169	11199	3.8	5.1	4.6	729	1074	1803
TYLER	16223	17072	18333	2.6	3.7	3.3	743	1178	1921
UPSHUR	28595	31750	32316	5.5	0.9	3.3	2779	220	2999
UPTON	4619	5140	5554	5.6	4.0	5.1	339	230	569
UVALDE	22441	22990	23705	1.2	1.6	1.4	80	205	285
VAL VERDE	35910	37842	40190	2.7	3.1	3.0	422	1045	1467
VAN ZANDT	31426	33475	35920	3.3	3.7	3.6	2042	2463	4505
VICTORIA	68807	74376	74495	4.0	0.1	2.1	3344	-2065	1279
WALKER	41789	46708	50142	5.9	3.7	5.0	4226	2695	6921
WALLER	19798	21655	23374	4.7	4.0	4.5	1557	1366	2923
WARD	13976	15646	15995	6.0	1.1	3.6	1196	-114	1082
WASHINGTON	21998	24213	24747	5.0	1.1	3.1	2099	313	2412
WEBB	99258	108434	118171	4.6	4.5	4.8	4431	5680	10111
WHARTON	40242	41467	41185	1.5	-0.3	0.6	368	-1041	-673
WHEELER	7137	7847	8232	5.0	2.5	3.8	598	227	825
WICHITA	121082	127087	126175	2.5	-0.4	1.1	3245	-3199	46
WILBARGER	15931	16071	16712	0.4	2.0	1.2	61	513	574
WILLACY	17495	17866	18588	1.1	2.0	1.6	-324	176	-148
WILLIAMSON	76521	86789	96775	6.7	5.8	6.6	8505	7966	16471
WILSON	16756	17207	18323	1.3	3.2	2.3	90	849	939
WINKLER	9944	11254	10981	6.6	-1.2	2.6	962	-690	272
WISE	26575	28452	30672	3.5	3.9	3.9	1455	1803	3258
WOOD	24697	26187	27338	3.0	2.2	2.7	1413	1163	2576
YOAKUM	8299	8639	9385	2.0	4.3	3.3	28	438	466
YOUNG	19083	20252	19872	3.1	-0.9	1.0	1003	-623	380
ZAPATA	6628	7581	8004	7.2	2.8	5.2	803	222	1025
ZAVALA	11666	11882	12133	0.9	1.1	1.0	-180	-176	-356